

Abstract

An execution device executes an application program created
5 in an object-oriented language. An application includes one or more
classes that each have one or more methods, and confidentiality
information that expresses whether or not confidentiality is necessary.
The execution device determines whether or not encryption is necessary,
with reference to the confidentiality information, and when the method
10 is to be executed, records, in a memory, an object including data
that the method manipulates. When it is determined that encryption
is necessary, the object is recorded with the data encrypted.